

## PATENT COOPERATION TREATY

## PCT

INTERNATIONAL SEARCH REPORT  
(PCT Article 18 and Rules 43 and 44)RECEIVED  
22 MAR. 2005  
BCF S.E.N.

Applicant's or agent's file reference 09923-017	FOR FURTHER ACTION	see Form PCT/ISA/220 as well as, where applicable, item 5 below
International application No. <b>PCT/CA2004/002027</b>	International filing date ( <i>day/month/year</i> ) 24 November 2004 (24-11-2004)	Priority date ( <i>day/month/year</i> ) 04 December 2003 (04-12-2003)
Applicant TM4 INC. ET AL		

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 3 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. ☐ With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.

2. ☐ Certain claims were found unsearchable (see Box No. II).

3. ☐ Unity of invention is lacking (see Box No. III).

4. With regard to the title,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows :

5. With regard to the abstract,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the drawings,

- a. the figure of the drawings to be published with the abstract is Figure No. 1

☐ as suggested by the applicant.

☒ as selected by this authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

- b. ☐ none of the figures is to be published with the abstract.

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/CA2004/002027

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<b>A. CLASSIFICATION OF SUBJECT MATTER</b> IPC 7: H02K 9/00, H02K 9/16, H02K 9/19 According to International Patent Classification (IPC) or to both national classification and IPC					
<b>B. FIELDS SEARCHED</b> Minimum documentation searched (classification system followed by classification symbols) IPC7 H02K Documentation searched other than minimum documentation to the extent that such documents are included in the fields Electronic database(s) consulted during the international search (name of database(s) and, where practicable, search terms) Databases Searched: Delphion, Canadian Patent Database, Pluspat, USPTO Keywords: stator, cooling, channel, bore, V-shape, plug					
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>					
Category*	Citation of document, with indication, where appropriate, of the relevant	Relevant to claim No(s).			
A	CA 2,234,488 (Whiteley) 09 Oct. 1999 (09-10-1999) **page 16, line 23 - page 17, line 8** **fig. 18**	1-24			
A	US 6,633,097 (Dunlap et al.) 14 Oct. 2003 (14-10-2003) **Col. 1 Line 43 - Col. 3 Line 3**	1,10,18			
A	US 5,859,482 (Crowell et al.) 12 Jan. 1999 (12-01-1999) **Col. 3 Line 13 - Col. 4 Line 5**	1,10,18			
A, P	US 6,819,016 (Houle et al.) 16 Nov. 2004 (16-11-2004) **Entire Document**	1-24			
A	US 5,767,600 (Whiteley) 16 Jun. 1998 (16-06-1998) **Entire Document**	1-24			
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input checked="" type="checkbox"/> See patent family annex.					
<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; vertical-align: top;">           * Special categories of cited documents :            "A" document defining the general state of the art which is not considered to be of particular relevance            "E" earlier application or patent but published on or after the international filing date            "L" document which may throw doubt on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)            "O" document referring to an oral disclosure, use, exhibition or other means            "P" document published prior to the international filing date but later than the priority date claimed         </td> <td style="width: 10%; vertical-align: top; text-align: center;">           "T" "X" "Y" "&amp;"         </td> <td style="width: 40%; vertical-align: top;">           later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention            document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone            document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art            document member of the same patent family         </td> </tr> </table>			* Special categories of cited documents : "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubt on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed	"T" "X" "Y" "&"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art document member of the same patent family
* Special categories of cited documents : "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubt on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed	"T" "X" "Y" "&"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art document member of the same patent family			
Date of the actual completion of the international search 07 March 2005 (07-03-2005)	Date of mailing of the international search report 17 March 2005 (17-03-2005)				
Name and mailing address of the ISA/CA Canadian Intellectual Property Office Place du Portage I, C114 - 1st Floor, Box PCT 50 Victoria Street Gatineau, Quebec K1A 0C9 Facsimile No: 001(819)953-2476	Authorized officer Avneet Singh Sahni (819) 934-4551				

**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International application No.  
PCT/CA2004/002027

Patent Document Cited in Search Report	Publication Date	Patent Family Member(s)	Publication Date
CA2234488 A1	09-10-1999	NONE	
US6633097	14-10-2003	US6633097 B2	14-10-2003
US5859482	12-01-1999	EP0859447 A1 US5859482 A	19-08-1998 12-01-1999
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